

## UTILIZATION OF HUMULONES HAVING ANTIOXIDANT ACTION

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- international: A23L3/3499; A61K8/00; A61K8/30; A61K8/35;  
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- European:

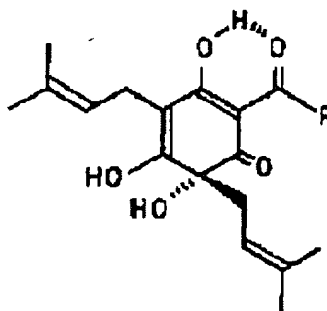
**Application number:** JP19930123142 19930428**Priority number(s):** JP19930123142 19930428

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**Abstract of JP6312924**

**PURPOSE:** To provide pharmaceuticals, foods, drinks and cosmetics having antioxidant action and containing, as active components, humulones or their salts constituting the main component of a hop soft resin producible from hop used as a raw material for beer.

**CONSTITUTION:** The pharmaceuticals, foods, drinks or cosmetics having antioxidant action contain one or more kinds of humulones of formula [R is CH(CH<sub>3</sub>)<sub>2</sub> (cohumulone), CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub> (humulone) or CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>2</sub> (adhumulone)] as active components. Humulones are obtained in the form of cohumulone, humulone or adhumulone or their proper mixture from natural hop using Wollmer's method and optionally using a high-performance liquid chromatography. Humulone having antioxidant action acts as a treating agent for adult diseases, malignant rheumatoid arthritis, lesion such as scald, acne, spot, etc., or an antioxidant or degradation preventing agent for foods and drinks.



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